



**City of Santa Rosa**  
Certified Validation Report

Water System Name: Santa Rosa

Water System ID Number: 4910009

Water Audit Period: 2019

**Water Audit & Water Loss Improvement Steps Taken to Increase Data Validity and Reduce Water Loss:**

The most significant step the City took in 2019 to increase data validity was to upgrade 13% of City meters, registers, and MXUs to become part of the City's new Advanced Metering Infrastructure. Once the meters in the rest of the City get upgraded, projected to be completed in 2021, the City may be able to better match the dates of billed usage with the dates of purchased water. This could enable the City to rely more heavily on real and apparent loss performance indicators in decision-making processes. The audit team continued to refine and improve the process of collecting data for the 2019 Water Audit. The most significant refinement this year was recategorizing water lost during leak repair service requests and work orders from Unbilled Authorized Consumption to Real Losses.

**Certification Statement by Utility Executive:**

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Jennifer Burke

JENNIFER BURKE (Print)  
DIRECTOR SANTA ROSA WATER

Signature

Sep 18, 2020

Date

Utility Provided

## Certified Validation Report

### Audit Information:

Water Supplier Name: City of Santa Rosa

PWS ID: 4910009

System Type: Potable

Audit Period: Calendar 2019

Utility Representation: Thomas Hare (Lead Water Auditor) Colin Close (Senior Water Resources Planner), Deb Lane (Sustainability Representative), Heather Aviles (Sustainability Representative), Claire Nordlie (Sustainability Coordinator).

Validation Date: 09/08/2020

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 70 Data Validity Band (Level): Band III (51-70)

ILI: 1.17 Real Loss: 17.16 (gal/conn/day) Apparent Loss: 3.42(gal/conn/day)

Non-revenue water as percent of cost of operating system: 2.9%

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

### Validator Information:

Water Audit Validator: Teresa Gudino

Qualifications: Water Audit Validator Certificate from AWWA California-Nevada Section

Validator Provided

# 2019 Certified Validation Report-Utilityprovided

Final Audit Report

2020-09-19

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